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## ORANGE COUNTY AMATEUR RADIO CLUB

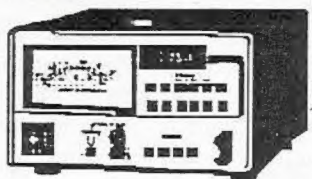
VOL. XXXII NO. 1

P.O. BOX 3454, TUSTIN, CA 92681

JANUARY, 1991

**Friday, January 18th  
7:30 PM  
is the next meeting!**

**The Prez Sez.....  
by Ken Konechy,  
W6HHC**



This is the beginning of another new year for the ORANGE COUNTY AMATEUR RADIO CLUB (first founded way back in 1934) and I am excited that it will be a very good year.

\* Last year's officers left the club in very good shape (both financially and membership-wise).

\* This year's Board of Directors bring forth a lot of experience and fresh ideas.

\* The recent growth in membership can become a source of many new club efforts and projects.

I am really impressed by the Board of Directors that I have helping me. I have 5 seasoned club officers (TOM/WA6PFA, BOB/AF6C, JOHN/KJ6TK, FRANK/WA6VKZ, and CHRIS/KJ6ZH) that include 3 past-presidents who have agreed to once more help the club operate and grow. In addition, I have 4 fresh faces (MIKE/K6KAA, BILL/N6VMS, BRUCE/KC6DLA, and

LARRY/K6VDP) that have joined the Board for the first time. These new faces on the Board represent different levels of HAM experience and bring fresh view points and ideas to the OCARC's leadership.

The tremendous growth that the OCARC experienced during 1990 has brought the club new talents, new ideas, and new enthusiasm. These new members include people like:

\* NANCY/N6XQR - The world's most professional club newsletter editor!

\* JIM/N6XTJ - A genuine "GURU" on packet radio.

\* DICK/WD6X - A outstanding leader at organizing field day efforts.

...and there are many more who range from brand-new HAMS to DXCCers to technology specialists! This is the type of growth that is needed to keep a radio club an interesting organization that can "DO THINGS"!!

**Welcome to the  
1991 Board of Directors  
See the new listings on Page 2.  
Time to renew your  
membership.  
Dues are still only \$12 per  
year!**

**I AM REALLY EXCITED ABOUT 1991!!**

Finally, the beginning of a new year is a time to make NEW YEAR RESOLUTIONS. This year I resolved to rejoin the ARRL after an absence of 20 years or so. I guess I finally got tired of being the only OCARC member who wasn't a member of ARRL. Besides the PREZ should be a good ROLE MODEL and the ARRL really is an outstanding organization.

See you at the January meeting!

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**JANUARY MEETING: GUS BOGARD, WM6J, ARRL OFFICIAL OBSERVER  
WILL TALK ABOUT HOW TO DEAL WITH....  
"MALICIOUS INTERFERENCE ON HAM BANDS"**



## KC6MTH Offers Discount on Comet Antennas & Accessories

Jerry Davis, KC6MTH, is the President of Audiotek a company in Torrance, CA, specializing in installations of cellular phones, vehicle security systems, and custom car audio systems. Audiotek has become the newest dealer in the South Bay for Comet Antennas. **Jerry is generously offering a 12% discount on all Comet antennas and accessories to OCARC members; mention you saw it in the RF when you call him at (213) 328-7770.** He welcomes phone calls with questions, requests for pricing, requests for catalogs (give him a credit card number and he will have the factory ship direct to you). Jerry is also offering to sell ham gear on consignment.

Jerry has been in the car stereo business for 27 years. He started in his dad's business

when he was 14 years old. His father started a car radio business in 1938 as the first importer of car radios from Japan in this country. When Jerry was 18 he moved to Hawaii and for 15 years had his own car stereo and CB installation business before returning to California.



## 1990 CLUB BOARD of DIRECTORS

President .....	Ken Konechy .....	W6HHC .....	541-6249
Vice President .....	Mike Abren .....	K6KAA .....	832-8503
Secretary .....	Bruce Creager .....	KC6DLA .....	538-8259
Treasurer .....	Bill Freyfogle .....	N6VMS .....	964-9336
Activities .....	Tom Thomas .....	WA6PFA .....	771-2917
Membership .....	Bob Eckweiler .....	AF6C .....	639-5074
Public Relations .....	John Meacham .....	KJ6TK .....	842-4702
T.V.I. Chairman .....	Larry Beilin .....	K6VDP .....	557-7217
Member at Large .....	Frank Smith .....	WA6VKZ .....	454-2635
Member at Large .....	Chris Breller .....	KJ6ZH ..	(213) 866-2077

## CLUB APPOINTMENTS

Club Historian .....	Bob Evans .....	WB6IXN .....	543-9111
W6ZE Trustee .....	Bob Eckweiler .....	AF6C .....	639-5074
RF Editor .....	Nancy Bucher .....	N6XQR .....	537-8728
Refreshments .....	Need Someone!!!!		

## DUES

Regular Member .....	\$12.00	Additional Family Members .....	6.00 each
Teenage Members (under 20) ..	6.00	Optional Club Badge .....	5.00

Dues for new members are prorated quarterly from January of each year. Family members must reside at the address of a Regular Member. One RF is sent per household.

## Board Meeting Minutes 1/3/91 by Bruce Creager, KC6DLA

Meeting called to order at 7:30 PM in the home of President Ken Konechy, W6HHC

**OFFICERS PRESENT:** Both 1990 and 1991 officers present were: Ken-W6HHC, Mike-K6KAA, Bill-N6VMS, Bruce-KC6DLA, Tom-WA6PFA, John-KJ6TK, Larry-K6VDP, Frank-WA6VKZ, Chris-KJ6ZH, Bob-KD6XO, Bud-WA6VPP.

**CHANGE OF OFFICERS:** Copies of the constitution were distributed with a description of officer's duties. Old officers detailed duties to the new officers.

**CLUB GOALS:** A discussion was held as to the desired size of the club and the goals the club should pursue. It was generally agreed that membership of about 100 was the most desirable size. A suggestion was made to put a packet radio demonstration together to be presented to computer clubs in the area to attract members with computer backgrounds. Members were requested to think about the club goals and to continue to hold this discussion in the future.

**BOARD MEETINGS:** Board meetings will continue to be held during the club breakfast the first Saturday of each month.

**FINANCIAL AUDIT:** An audit of the financial records will be performed following the breakfast on 1/5/91.

**FIELD DAY SITE SURVEY:** A visit to several proposed field day sites will be conducted at 1:30 PM on 1/5/91. Meeting closed at 9:40 PM.

## RADIO SCHOOL U

### "U" FOR UNDER-ONE-ROOF

- No-Code Technician Class
- General Code Class  
+ Theory Review
- Advanced Theory Class

February 22, 23, 24

AIRPORTER INN, Orange County  
(Also on May 10, 11, 12, again)

Bring your friends to no-code class.  
Attend an upgrade class at the  
SAME Hotel on the SAME Weekend!  
3 Classes in 3 Classrooms  
Gordon West Radio School, Inc.  
INFO LINE (714) 434-0666

## On the Nets - December, 1990

by Bob Evans, WB6IXN

**12/5 2m phone net** - W6ZE/IXN checks in BPX, NG7D, VDP, PFA, RE, RND, ZFY, VCW, COU, QW, SDU, ZH, & XQR. BPX misses net last week. A visit with the 2 grandkids! NG7D gets his 'QRP Quarterly' late! .. & John begins editing his video tapes. VDP goes to Club breakfast, & later, he visits last year's FD site. RE says RVS is bk in the hosp. agn; that the German AMSAT OSCAR 21 flight is delayed 'til Jan. 7, & ARRL bull. #50 says that ARRL has lost the battle to save the lower end of 220! PFA overcleans the computer hard disk, copies WA4SIR on packet several times, & tells OPs to watch 'Columbia TV' on ATV from Santiago Peak. RE tells OPs that SALYUT 7 will de-orbit in mid-January!! RND listens to Shuttle astronomy as he works on the Christmas card project. ZFY & IXN are interested in the de-orbit of SALYUT 7 mentioned by RE, & COU lives aboard a 30' Islander boat as he does repairs, renovations, & installs ants. fer voice & packet! QW's wallet is much lighter after purchase of a new Cushcraft A-4 beam & rotator, & Rolf is looking for a tower as he prepares the new ham shack at Big Bear! SDU solves the phone cut-off problem with the help of ZH & RE. And ZH & nOne attend the Club breakfast & do Christmas shopping. XQR probably needs a new Klystron in the non-functioning microwave, as Nancy prepares to host her folks from Ohio over Christmas. RE informs OPs of Security Nat. Bank takeover of Mercury Savings & Loan Bldg!

**12/6 15m CW net** - W6ZE/IXN checks in RND. John has difficulty reading IXN's 269 sigs...gud practice fer weak DX, John! John & IXN discuss Columbia Shuttle mission & computers.

**12/12 15m phone net** - W6ZE/HHC checks in COJ, GDZ, IXN, RND, AF6C, NGO & KDL, new Club member from Westminster. Club meeting room & packet problems were the main areas of discussion on the net.

**12/12 2m phone net** - W6ZE/IXN checks in BPX, NG7D, RE, VPP, NTX, RND, COJ, VDP, GDZ, AF6C, HHC, KDL, XQR, ULU, KAA, ZH, PFA, & QW. BPX gets a new back support, & NG7D gets a new VCR.. problem: remote works on same freq. as his other VCR! RE & IXN listen to Columbia Shuttle mission (SAREX) with Ron Parese, WA4SIR, operating on board. And RE reads ARRL bull. #51 & airs Newline. VPP enjoyed Club Xmas party, & Bud doesn't wash the car.. no rain, of course! Tommi is QRT as NTX searches for info on repeater groups & ponders problems with the new antenna. RND enjoys a group bike ride while it pours down rain in surrounding areas. COJ & GDZ check in, listen for awhile, & pull the switch. VDP has a few sprinkles as he gets another VK zone for his WAZ award.. 33 out of 40 confirmed! Larry also cashes in on some Commodore programs, getting one for NG7D, too! AF6C fires up the low band rig on 15 as he contemplates possible TVI with neighbor next door, & gets a Christmas box ready to send to his sister. HHC has a fine checkin on 15m, & copies Boys Club in Tustin as possible future meeting place for the Club. KDL reminds all that a clogged toilet & upcoming bad WX brought Shuttle home early. XQR will be taking her parents to 'Magic Castle' during their visit; Nancy will be absent from net next week; ZH warns Nancy that YMH has been

acting up agn, & Chris' article has been stored under another call! ZH & nOne will venture back east for Christmas with Chris' parents. ULU's XYL buys Lloyd a new computer, Lloyd fires it up with the PK-232, & voice xmission crashes the program! KAA gets a new look-alike truck & is busily engaged in ham gear installation. PFA gets abt a .1 in. of rain as he cuddles up with '1,2,3 Lotus', & Tom assures XQR that she will enjoy 'Magic Castle'.

**12/19 2m phone net** - IXN calls JSV who contacts AF6C to handle the net. IXN is under the WX with gum infection & a liver bug. W6ZE/AF6C checks in BX, ZH, VMS, JSV, KAA, NG7D, RND, YZG, RE, VDP, VFC, NTX, HHC, & QE. Topic for discussion was the FCC approval of the no-code license & the retention of the Novice license for entrance to amateur radio.

**12/26 15m net** - W6ZE/HHC checks in VDP, AF6C, & IXN. VDP gets tie house chores done, IXN gets a root canal, & HHC & AF6C discuss Club mail pickup, & Bob discovers that 'Staples' will do 'RF' for a gud price if need be!

**12/26 2m phone net** - W6ZE/IXN checks in BPX, NG7D, AF6C, RE, VPP, VDP, RND, PFA, VMS, & XQR. BPX loses his poinsettias in the cold snap! NG7D warns of another cold wave as he tells OPs abt his new Vibroplex keyer. RE & XYL enjoys the daughters being home for Christmas, & Alex airs Newline for listening OPs. VPP still has packet problems with the TNC & computer! VDP fights off a cold as he admires the new tools Santa left for the workshop. AF6C gets a new car after 20 yrs with the old one.. That's getting your money's worth, Bob! RND tackles the new AEA Packrat II terminal program as he simultaneously entertains the grandchildren! PFA gets a sore throat & cold for Xmas (JSV under the WX, too!) Santa brings VMS excellent DX for Christmas.. especially the 'rare of rarest' TT8AK, Paul, from the Afr. country of Chadd! XQR finishes up Dec. 'RF' Christmas Eve, as Nancy entertains her folks from Cleveland, OH, over the holidays. They all took a sight-seeing trip on COU's 30 ft. sailboat to see the Christmas harbor lights! de WB6IXN

### FOR SALE!

ALL LISTED BELOW FOR \$2,100 firm  
Contact Richard S. Higgins at (714) 990-6536

#### Radio

Kenwood TS-940S  
Head Set YH-55  
Desk Mic MC-60A  
Low Pass Filter LF-30A  
Interface IF-232C  
Steel Key Base

#### Antenna

Hustler Mobile Mast  
10, 15 and 40 Resonators  
Ball Mount  
Multi-Band Adapter  
2 Resonator Springs  
50 ft. Coax Cable, 8 Connectors

#### Books

Tune in the World Kit, 8th Ed.	FCC Rule Book, 8th Ed.
Technician Class Manual, 1st Ed.	ARRL Antenna Book, 15th Ed.
General Class Manual, 1st Ed.	Ed.
ARRL Handbook 1990	Wire Antennas
ARRL Operating Manual, 3rd Ed.	Low Band DXing

## 1990 Treasurer's Report

### INCOME RECEIVED IN 1990

Badges .....	\$140.00
Refreshments .....	\$114.18
Raffle .....	\$591.50
Newsline Donation .....	\$145.00
Xmas Dinner 1990 .....	\$653.95
Dues .....	\$738.00
Swap Table .....	\$70.45
Auction .....	\$225.30
<u>K6LJA Donation .....</u>	<u>\$200.00</u>

SUB TOTAL ..... \$2878.38

Checking Interest ..... \$29.56

Savings Interest ..... \$48.44

TOTAL INCOME ..... \$2956.38

#### \* MISC. EXPENSES:

Receipt Book ..... \$11.79

Fiddler's Three ..... \$18.00

Flowers - KI6UL ..... \$31.34

TOTAL ..... \$61.13

#### YEAR BEGINNING

Checking Account: ..... \$145.47

Savings Account: ..... \$1051.72

Income: ..... \$2956.38

TOTAL ..... \$4153.57

### EXPENSES PAID IN 1990

Badges ..... \$78.10

Refreshments ..... \$1.06

Raffle ..... \$453.19

Newsline Donation ..... \$140.00

Xmas Dinner 1990 ..... \$653.95

Xmas Dinner Due 1989 ..... \$19.70

RF Postage ..... \$269.60

RF Printing & Mat'ls ..... \$53.11

World Radio Assoc. .... \$64.35

Insurance 1990 ..... \$262.00

Insurance 1991 ..... \$262.00

OCCARO Dues '90 & '91 ..... \$6.00

Newsline Phone ..... \$61.46

P.O. Box Rental 18 mo. .... \$42.00

FD Food ..... \$100.00

FD Tent Rental ..... \$18.00

Generator Costs ..... \$43.65

Club Plaques '90 ..... \$22.21

Club Plaques '89 ..... \$67.77

Misc. Expenses \* ..... \$61.13

TOTAL EXPENSES ..... \$2679.28

#### PROFIT / (LOSS)

Income: ..... \$2956.38

Expenses: ..... \$2679.28

TOTAL ..... \$277.10

#### YEAR ENDING

Checking Account: ..... \$374.13

Savings Account: ..... \$1100.16

Expenses: ..... \$2679.28

TOTAL ..... \$4153.57

Financially, 1990 was a good club year. While a quick look at the balance sheet shows a net gain of \$277.10, the real story is much better than that. This year we paid many additional expenses that were due last year. The largest is the club liability insurance.

Other 1990 payments for 1989 are 1989 club plaques (excluding an extra) and additional 1989 Xmas party expenses. In addition, 18 months of rent on the P.O. Box was paid, the OCCARO dues were paid for 1990 and 1991, and one member's 1990 dues were accounted for on the 1989 books. Still due in 1991 is the postage for the December 1990 RF.

Taking the above into account, the club treasury's real gain is over \$600.00. The credit doesn't belong to your frugal Treasurer, instead it belongs to the following members: Bob Dahlin, KI6UL for printing RF and his generous contributions to the swap table!

73, de AF6C

## PACKET STATION FOR SALE! Amateur Moves to IBM - Everything Must Go!

**\$350 or best offer - Contact Scott Tokar, N6ZHV (714) 730-1355**

- Commodore 128 Computer
- PK-64 TNC
- 1541 (5 1/4") Disk Drive
- 1581 (3 1/2") Disk Drive
- 1200 Baud Modem
- MPS 901 Dot Matrix Printer
- Green Screen Monitor

- RS232 Printer Interface
- Easy Hook-Up to Any Radio

#### Useful Software Included!

- |                  |                     |
|------------------|---------------------|
| ✓ Wordprocessor  | ✓ Games             |
| ✓ Spreadsheet    | ✓ Financial Planner |
| ✓ Communications | ✓ Flight Simulator  |
| ✓ Database       | ✓ And More!         |



## 1991 Rose Parade Mobile!

by Bill Freyfogle, N6VMS

I was relaxing at home the evening of December 27th, 1990, when the phone rang. Upon answering it, the following occurred: "Bill, this is Dave, WA6TWF, I have a proposition for you." Perking my interest, I said, "Sure Dave, what is it?" "Bill, we need an operator to ride in the Rotary International float during the Rose Parade. We'd like you to sit in the float and operate the 440 remote base out on 10 meters. You'll be locked in for about four hours working a pileup and will have to be in Pasadena before 6AM. You interested?" Pausing about one millisecond to consider, I readily accepted and never regretted it!

The next day, I rendezvoused with Bill KC6GSD at the float construction tent. We installed an Alinco DR590-T dual-band 2m/440 mobile rig and a Comet dual-band mag-mount antenna. The Alinco was wired to a truck battery direct. The battery was connected to a battery charger, which in turn was hooked to a Honda generator. This insured plenty of power and allowed us to run 35 watts on 440 MHz. The antenna was placed on a steel beam at the top of the float and a hole was punched thru to allow it to stick out in the clear. The antenna was placed near some flowers to partially hide it.

My operating position was on one side of the float under some artificial rocks. It was very cramped and dark. Underneath were steel beams. We laid a 2 by 4-foot piece of plywood on the steel beams and lashed it, along with a beach chair down for the sitting position. We taped the radio on top of two interconnecting beams. For light, I brought a small flashlight and clipped it to the rim of my hat. This allowed me to see the clipboard and write people's callsigns. Besides being cramped and dark, the float was hot from the truck engine 4 feet away and extremely loud from the generator 5 feet away and a 200-watt stereo system which provided music for the float's Western theme. Layered clothing and a good set of headphones handled both problems.

New Year's Day arrived and I met Bill at 5:30 in San Marino. We dropped off my car and drove to the float in Pasadena, arriving at 6:30. After checking the radio and getting all set up, Gordon West,

WB6NOA appeared at 7 AM and brought up the remote base repeater, pointing the KLM beam towards Chicago. The remote base is located in the hills above Pasadena at an altitude of 1000 feet. It is part of the WA6TWF 440 MHz Supersystem, and uses a K6QE UHF interface.

The January 1991 issue of 73 Magazine contains an article describing the WA6TWF Supersystem, K6QE Controller and an article describing how KC6GSD worked the parade in 1990 with a handheld from a vintage car. It also announced we would be active this year on 28.333 MHz, so the word was out and many stations knew where to find us.

After bringing up the remote base, Gordon and I agreed he would announce the QSL address and system description every 15 minutes and I would operate contest-style to work as many stations as possible. This proved to be a great idea, as it enabled me to relax a little. At 7:15 local (1515 UTC) we went on the air. The first station worked was Earle, K6WS, a friend who was holding down the frequency with two hams from Arkansas and Nebraska. After working the three of them, I called QRZed and the hordes descended!!! During the next five hours I worked 519 stations from all over the U.S., the Caribbean, Canada, Mexico and Hawaii. The pileup ebbed and flowed with between 5 and hundreds of stations calling at once. The crescendo was reached as the float pulled onto Colorado Boulevard and was picked up by the television networks.

Being an avid DXer, I had always wondered what it must be like on the other end of a large pileup. My questions were answered tenfold! Working the "big guns" and locals was easy - they came right over the top of the pileup Q5. The hard part was when all stations were the same strength! I thanked all callers and wished everyone a Happy New Year each call. Many people said their name and state, I recognized that and thanked them for it, showing we had more than just a callsign and RS report exchange. My objective was to create a friendly atmosphere and have fun while working a lot of stations. One thing I noticed is that it helps the DX station for

you to send your full callsign, that saves time used in an extra, worthless exchange. Name and state are good, as are unusual/humorous words for your callsign. What I did not like were stations that kept calling and did not pause to listen. They couldn't hear me call them!

I tried calling by the numbers, but found many stations ignored that and kept calling. Also, some stations kept calling right in the middle of a valid QSO - bad operating! I wish everyone had an opportunity to work a pileup and experience this themselves, they would be more courteous in pileups.

Another interesting aspect of this event was the effect of propagation. When we first started, the single-skip distance was about 800 to 1000 miles away in Colorado Nebraska and Texas. As time progressed, the skip increased so that Missouri and the Dakotas became loudest, then Minnesota, Arkansas, Louisiana and Alabama. Around 1800 UTC, Illinois, Kentucky and Tennessee took over, to be followed by Ohio then Florida and Georgia then Virginia and Pennsylvania. Finally, at the end, the ones and twos were booming in single-skip of 2500 miles! Unfortunately, I worked very few stations from the Seventh call district - my signal was skipping over them.

At 12:15 local (2015 UTC), Gordo and I called it quits after the float had been parked for 45 min. I was tired and hungry at this point. This was the most exciting experience I had ever imagined in radio and hope to be selected again next year! I wish to thank Bill KC6GSD, Dave, WA6TWF, and Gordon, WB6NOA for the wonderful opportunity and their fine support for this special event. If history repeats itself, tune to 28.333 MHz next year around 1600 UTC. You'll hear a big pileup and a voice emerging calling "QRZed? N6VMS - Rose Parade Mobile!"

**WA6TWF SUPER SYSTEM  
LUNCHEON - OPEN TO ALL!  
SATURDAY JAN. 26TH 11:00am  
TONY ROMA'S AT HARBOR &  
ORANGETHORPE IN FULLERTON  
DF HUNT STARTS AT 8:00AM  
Call David Corsiglia for more info  
at (714) 535-5528**

## Floppy Drives and Diskettes

by Kellie Prince RI-DE/EUC and sent by Harry Warner, N6VFS

Personal computers are available with a variety of floppy drive types. There are internal and external, high capacity and double density, and 5 1/4" and 3 1/2". We know that floppy drives use floppy diskettes, but how does one know what type of diskette to use, or if the diskette type even matters? Because this is often a point of confusion, this article has been included to clarify correct drive and diskette usage. Although some older machines may still be equipped with "Single Sided Drives", this article will not cover that technology.

Floppy drives come in two sizes and capacities. Size is the easy part, your machine either accommodates 5 1/4" or 3 1/2" diskettes. Matters get more complicated when it comes to drive capacity.

Capacity deals with how the information is stored on the diskette. Double Density drives (sometimes referred to as low density) are capable of reading and writing up to 360 Kilobytes on 5 1/4" diskettes and 720 Kilobytes on 3 1/2" diskettes. High Capacity drives (sometimes referred to as high density or quad density) read and write more than three times the amount of information! The 5 1/4" High Capacity drive stores 1.2 Megabytes of information and the 3 1/2" a whopping 1.44 Megabytes.

Not surprisingly, floppy diskettes also come in two sizes and capacities, namely Double Density and High Capacity (remember, we're not covering single sided!). Because information can be stored on both sides of the diskette they are also referred to as Double Sided/Double Density (DS/DD) and Double Sided/High Capacity (DS/HC). Double Density diskettes can store 360 Kilobytes on 5 1/4" diskettes and 720 Kilobytes on 3 1/2" diskettes. High Capacity diskettes can store 1.2 Megabytes on 5 1/4" diskettes and 1.44 Megabytes on 3 1/2" diskettes.

By now you should have noticed a pattern forming. Floppy drives are available in Double Density and High Capacity and

floppy diskettes are available in Double Density and High Capacity. Is there a connection between floppy drive capacity and the type of diskette that should be used? **YOU BET!**

Double density diskettes should be used in high capacity drives only when high capacity diskettes are not an option; special precautions are necessary. First, the double density diskette should either be formatted in a double density drive or formatted with the appropriate parameters in the high capacity drive (/4 for 5 1/4" or /m:9/t:80 for 3 1/2"). Second, one the double density floppy is written to on the high capacity drive, it should not be used on a double density drive. Got it? It's best whenever possible to stick with high capacity diskettes rather than double density.

So, how do you know what type of floppy drive you have? Unfortunately, there is no reliable way to visually determine your floppy drive's capacity. One way to determine the floppy drive capacity is to format a double density diskette (without using any special parameters). If the diskette formats without any bad sectors then you may assume it is a double density drive. However, if bad sectors appear then most likely the drive is a high capacity.

Caution - Never use disk/drive combinations not listed here. The wrong type of diskette may simply fail to work or it may appear to work for a while only to fail later, destroying hours or days worth of work!

A Byte is the computer equivalent of a character.

K represents Kilo or approximately one thousand (1024).

M represents Mega or approximately one million (1,048,576).

KB represents Kilobyte, 1024 Bytes, or about one thousand characters.

MB represents Megabyte, 1,048,576 Bytes, or about one million characters.

Double Density Drives use Double Density Diskettes  
and

High Capacity Drives use High Capacity Diskettes  
or

High Capacity Drives use Double Density Diskettes (using special precautions!)

## Biography of our New Prez by Ken Konech, W6HHC

I have been a HAM radio operator for over 30 years. While still in high school, I was first licensed as a NOVICE in 1957 as WN3MHI. My first QTH was near Pittsburgh in eastern Pennsylvania. On my third attempt, I finally overcame the CW portion of the GENERAL TEST and was awarded the call, W3MHI. After earning BSEE and MSEE degrees at the University of Pittsburgh, I moved to Orange and was assigned the call of W6HHC. Over the years I have been interested in many facets of Amateur Radio. These include rag-chewing, homebrewing, DXing, designing and building antennas, 2 MTR nets, field day operations, emergency services, and packet radio. My current station is a FT-757 on the low bands with a Cushcraft 3-el tribander on a 42-ft tower built by Kei/W6NGO. My base 2 MTR station is old KENWOOD TR-7730.

I have been actively involved with the OCARC since 1967, when I moved to California. Field Day may be my first love at OCARC.... I have not missed a single Field Day at OCARC since that first Field Day in 1967. And I have held many offices and functions within the OCARC:

\* I was Editor of RF for several years.

\* I was trustee of the club license, W6ZE, prior to AF6C.

\* I have been on the Board of Directors (nearly continuously) since about 1969 holding most positions several times, including:

\* This will be my 3rd term serving as President (also 1974 & 1988).

When I am not playing with HAM radio, I work for a small high-tech company (60 employees) in IRVINE called RAINBOW TECHNOLOGIES. As Vice President of Engineering, my department is responsible for designing hardware and software products to prevent "software piracy" and to provide security for sensitive data files on PC's. Other hobbies include Backpacking, Snow Skiing, small Sailboats, and Saltwater Fishing. I live with my wife, Diane, and four children in Santa Ana.

Happy 85th Birthday  
Wyatt, WA6BPX on 1/22/91

# ORANGE COUNTY AMATEUR RADIO CLUB

## APPLICATION AND MEMBER SURVEY

NAME \_\_\_\_\_ CALL SIGN \_\_\_\_\_  
 ADDRESS \_\_\_\_\_ LICENSE CLASS N T G A E  
 CITY \_\_\_\_\_ STATE \_\_\_\_ ZIP \_\_\_\_\_  
 TELEPHONE NUMBER \_\_\_\_\_

MEMBER OF ARRL? YES / NO MEMBER OF ARES? YES / NO MEMBER OF RACES? YES / NO

EQUIPMENT Please code the following array with: 'H' for home  
 'M' for mobile  
 'P' for portable

	80/75	40	20	17	15	12	10	6	2	220	440	OTHER
SSB												
AM												
CW												
FM												
PACKET												
RTTY												
AMTOR												
ATV												
OTHER												

If you operate packet, please answer the following questions.

Do you have a personal bulletin board? YES / NO

Is your TNC programmed for Digi? YES / NO

What is your most favorite aspect of Amateur Radio?

What are other aspects of Amateur Radio that interest you?

Could you provide the Club with a program? YES / NO

TOPIC \_\_\_\_\_

What would be an Amateur Radio program topic that would interest you?

SIGNATURE \_\_\_\_\_

## CLUB FUNCTIONS

**MONTHLY MEETING:** 3rd Friday of each month, 7:30PM at SECURITY NATIONAL BANK  
Jan. 18th 1095 Irvine Blvd. (4th St. becomes Irvine)  
Tustin, CA. Talk-in on 146.55 MHz  
Feb. 15th  
Mar. 15th (Take the 4th St. exit of the 55 Freeway  
and head east. Continue past Newport Blvd.  
about two blocks. It's on the left.)

**CLUB BREAKFAST:** 1st Saturday of each month, 8:00AM at DENNY'S Restaurant  
Feb. 2nd 2314 E. Seventeenth Street Santa Ana, CA. (714) 543-0872  
Mar. 2nd (Second bldg. west of the 55 Freeway)

## CLUB NETS

BAND	MODE	DAY	LOCAL TIME	FREQ MHz	SPLIT	PL	OPERATOR
2 Meters	FM	Wed	2030 hrs.	146.550	smplx	na	WB6IXN
15 Meters	SSB	Wed	2000 hrs.	21.375*	smplx	na	W6HHC
15 Meters	CW	Thu	2000 hrs.	21.175*	smplx	na	??????

(Listen for W6ZE, net control) \*Plus or minus QRM

## ARES DISTRICT NETS

2 Meters	FM	Mon	1900 hrs.	145.220	-600	1A	N6HQB 1
2 Meters	FM	Mon	~1915 hrs.	145.340	-600	4Z	K6KAA 2
2 Meters	FM	Mon	1930 hrs.	noted	smplx	na	noted 3

1 - ARES Info net.

2 - ARES District 3 net starts after info net is completed (Usually about 1915 hrs).

3 - City Nets: Orange - 146.535 WB6FCP; Tustin - 146.505 WA6VKZ; Santa Ana - 147.585 W6HHC

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**ORANGE COUNTY AMATEUR RADIO CLUB, INC.**

**P.O. Box 3454**

**TUSTIN, CA 92681**

***First Class Mail***

***Time-Dated Material.***

***Please Rush!!***